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In the Claims:

1. (previously presented) A photonic network node comprising:
photonic switch fabric for forwarding an optical signal comprising a plurality of channels;
means for monitoring the optical signal before and after the photonic switch fabric;
means for reducing a variance between inputs to the photonic network node by applying a
dynamically adjusted bulk compensation to all channels of the optical signal;
means for demultiplexing the optical signal into the plurality of channels;
means for dynamically, adjustably compensating for individual channel amplitude
impairment responsive to the monitoring means, based at least in part on output carrier power;
and
means for multiplexing a plurality of channels into an output optical signal.
2. (original) A node as claimed in claim 1 wherein the photonic switch fabric includes a plurality
of optical switch planes.
3. (previously presented) A node as claimed in claim 1 further including means for dynamically,
adjustably compensating for individual channel chromatic dispersion impairment.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)